

10/729,598

# STN. STRUCTURE SEARCH

7.12.04

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L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2003:792450 CAPLUS

DOCUMENT NUMBER: 140:37863

TITLE: Specific and Potent Inhibition of NAD<sup>+</sup>-dependent DNA Ligase by Pyridochromanones

AUTHOR(S): Broetz-Oesterhelt, Heike; Knezevic, Igor; Bartel, Stephan; Lampe, Thomas; Warnecke-Eberz, Ute; Ziegelbauer, Karl; Haebich, Dieter; Labischinski, Harald

CORPORATE SOURCE: Pharma Research, Bayer Health Care, Department of Anti-Infectives, Bayer AG, Wuppertal, D-42096, Germany

SOURCE: Journal of Biological Chemistry (2003), 278(41), 39435-39442

CODEN: JBCHA3; ISSN: 0021-9258

PUBLISHER: American Society for Biochemistry and Molecular Biology

DOCUMENT TYPE: Journal

LANGUAGE: English

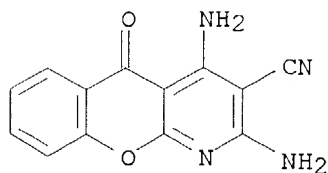
AB Pyridochromanones were identified by high throughput screening as potent inhibitors of NAD<sup>+</sup>-dependent DNA ligase from *Escherichia coli*. Further characterization revealed that eubacterial DNA ligases from Gram-neg. and Gram-pos. sources were inhibited at nanomolar concns. In contrast, purified human DNA ligase I was not affected (IC<sub>50</sub> > 75 µM), demonstrating remarkable specificity for the prokaryotic target. The binding mode is competitive with the eubacteria-specific cofactor NAD<sup>+</sup>, and no intercalation into DNA was detected. Accordingly, the compds. were bactericidal for the prominent human pathogen *Staphylococcus aureus* in the low µg/mL range, whereas eukaryotic cells were not affected up to 60 µg/mL. The hypothesis that inhibition of DNA ligase is the antibacterial principle was proven in studies with a temperature-sensitive ligase-deficient *E. coli* strain. This mutant was highly susceptible for pyridochromanones at elevated temps. but was rescued by heterologous expression of human DNA ligase I. A physiol. consequence of ligase inhibition in bacteria was massive DNA degradation, as visualized by fluorescence microscopy of labeled DNA. In summary, the pyridochromanones demonstrate that diverse eubacterial DNA ligases can be addressed by a single inhibitor without affecting eukaryotic ligases or other DNA-binding enzymes, which proves the value of DNA ligase as a novel target in antibacterial therapy.

IT 635681-58-2

RL: BSU (Biological study, unclassified); BIOL (Biological study) (pyridochromanones exhibit specific and potent inhibition of eubacterial NAD<sup>+</sup>-dependent DNA ligase but not human ATP-dependent DNA ligase I)

RN 635681-58-2 CAPLUS

CN 5H-[1]Benzopyrano[2,3-b]pyridine-3-carbonitrile, 2,4-diamino-5-oxo- (9CI) (CA INDEX NAME)



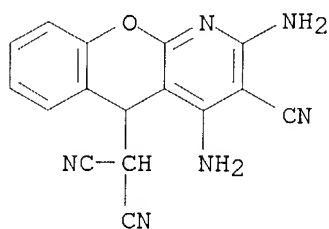
REFERENCE COUNT:

34

THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/729,598

L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1997:698155 CAPLUS  
DOCUMENT NUMBER: 128:3616  
TITLE: Reactions of 2-oxo-2H-1-benzopyran-3-carbonitrile  
AUTHOR(S): O'Callaghan, Conor N.; McMurry, T. Brian H.; O'Brien,  
John E.; Draper, Sylvia M.  
CORPORATE SOURCE: Trinity Coll., Univ. Chemical Lab., Dublin, Ire.  
SOURCE: Journal of Chemical Research, Synopses (1997), (9),  
312-313  
CODEN: JRPSDC; ISSN: 0308-2342  
PUBLISHER: Royal Society of Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 128:3616  
AB Synthetic reactions of 2-oxo-2H-1-benzopyran-3-carbonitrile afford  
products which establish that partial or complete cleavage of the starting  
material occurs in the course of reaction.  
IT **162335-50-4P**  
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT  
(Reactant or reagent)  
(reactions of oxobenzopyrancarbonitrile)  
RN 162335-50-4 CAPLUS  
CN Propanedinitrile, (2,4-diamino-3-cyano-5H-[1]benzopyrano[2,3-b]pyridin-5-  
yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN  
ACCESSION NUMBER: 1995:396637 CAPLUS  
DOCUMENT NUMBER: 122:239664  
TITLE: Synthetic reactions of 2-(2-amino-3-cyano-4H-[1]benzopyran-4-yl)propane-1,3-dinitrile with reactive  
methylene compounds  
AUTHOR(S): O'Callaghan, Conor N.; McMurry, T. Brian H.; O'Brien,  
John E.  
CORPORATE SOURCE: University Chemical Laboratory, Trinity College,  
Dublin, 2, Ire.  
SOURCE: Journal of the Chemical Society, Perkin Transactions  
1: Organic and Bio-Organic Chemistry (1995), (4),  
417-20  
CODEN: JCPRB4; ISSN: 0300-922X  
PUBLISHER: Royal Society of Chemistry  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
AB Derivs. of dibenzo[b,d]pyran, [1]benzopyran[2,3-b]pyridine,  
[1]benzopyrano[3,4-c]pyridine and [1]benzopyrano[4,3,2-  
de][1,6]naphthyridine were obtained from the reaction of  
2-(2-amino-3-cyano-4H-[1]benzopyran-4-yl)propane-1,3-dinitrile with

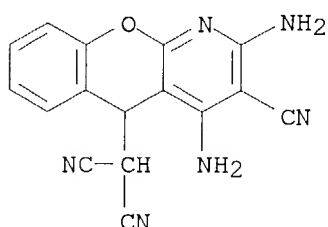
comps. containing a reactive methylene group. Consideration of these reactions suggest that the dicyanomethyl group is released from the 4-position of the starting material, and that it then reacts at the 2-position of the newly formed iminium ion. The 4-position is now available for Michael addition of a compound containing a reactive methylene group, but the nature of the final product depends on the substituents on the methylene group.

IT 162335-50-4P 162335-51-5P

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

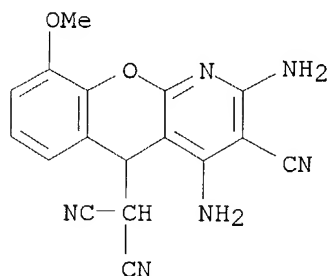
RN 162335-50-4 CAPLUS

CN Propanedinitrile, (2,4-diamino-3-cyano-5H-[1]benzopyrano[2,3-b]pyridin-5-yl)- (9CI) (CA INDEX NAME)



RN 162335-51-5 CAPLUS

CN Propanedinitrile, (2,4-diamino-3-cyano-9-methoxy-5H-[1]benzopyrano[2,3-b]pyridin-5-yl)- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1991:449458 CAPLUS

DOCUMENT NUMBER: 115:49458

TITLE: Synthesis of some new heterocyclic compounds containing chromene

AUTHOR(S): Atalla, Ahmed A.; El-Dean, Adel M. Kamal; Harb, Abd El Fattah A.

CORPORATE SOURCE: Fac. Sci. Qena, Assiut Univ., Assiut, Egypt

SOURCE: Collection of Czechoslovak Chemical Communications (1991), 56(4), 916-22

CODEN: CCCCAK; ISSN: 0010-0765

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 115:49458

GI

\* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

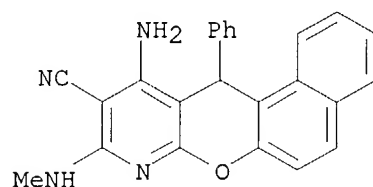
AB Benzo[f]chromene I ( $R = R_1 = H$ ) (II) was prepared by the cyclocondensation of  $\beta$ -naphthol with  $PhCH:C(CN)_2$ . II was acetylated with  $Ac_2O$  to give I ( $R = R_1 = Ac$ ). II was cyclized with  $HCONH_2$  to give pyrimido[4,5-b]benzo[f]chromene III, whereas the cyclization of II with  $NCCH_2CO_2Et$  gave pyrido[2,3-b]benzo[f]chromene IV. IV was cyclized with  $HCONH_2$  to give pyrimido[5',6':3,4]pyrido[5,6-b]benzo[f]chromene V, whereas the treatment of IV with  $POCl_3$  and  $P_2S_5$  gave 3-substituted derivs. VI ( $R_2 = Cl$  and  $SH$ , resp.). VI ( $R_2 = SH$ ) was alkylated with  $ClCH_2CO_2Et$ , phenacyl bromide, and  $ClCH_2CONHPh$  to give the corresponding S-alkylated derivs., whereas VI ( $R_2 = Cl$ ) was treated with amines  $H_2NR_3$  ( $R_3 = Me, Ph, CH_2CH_2Ph$ ) to give the appropriate amino compds. VI ( $R_2 = NHR_3$ ). VI ( $R_2 = Cl$ ) was cyclized with  $NH_2NH_2$  to give pyrazolo compound VII. Antibacterial activities were determined for the above compds.

IT **134484-32-5P 134484-33-6P 134484-34-7P**

RL: SPN (Synthetic preparation); PREP (Preparation)  
(preparation of)

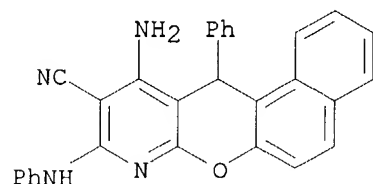
RN 134484-32-5 CAPLUS

CN 12H-Naphtho[1',2':5,6]pyrano[2,3-b]pyridine-10-carbonitrile,  
11-amino-9-(methylamino)-12-phenyl- (9CI) (CA INDEX NAME)



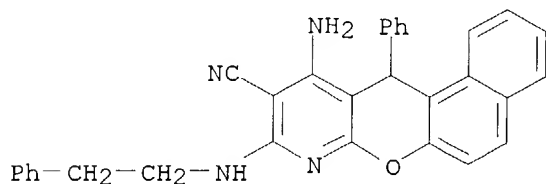
RN 134484-33-6 CAPLUS

CN 12H-Naphtho[1',2':5,6]pyrano[2,3-b]pyridine-10-carbonitrile,  
11-amino-12-phenyl-9-(phenylamino)- (9CI) (CA INDEX NAME)



RN 134484-34-7 CAPLUS

CN 12H-Naphtho[1',2':5,6]pyrano[2,3-b]pyridine-10-carbonitrile,  
11-amino-12-phenyl-9-[(2-phenylethyl)amino]- (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1964:38730 CAPLUS

DOCUMENT NUMBER: 60:38730

ORIGINAL REFERENCE NO.: 60:6829f-h,6830f

TITLE: Syntheses with nitriles. VI. Quinolines and benzonaphthyridines

AUTHOR(S): Junek, H.

CORPORATE SOURCE: Univ. Graz, Austria

SOURCE: Monatshefte fuer Chemie (1963), 94(5), 890-6

CODEN: MOCMB7; ISSN: 0026-9247

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

OTHER SOURCE(S): CASREACT 60:38730

GI For diagram(s), see printed CA Issue.

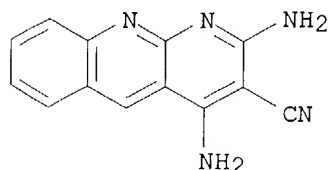
AB cf. CA 59, 6361b. The title compds. are prepared by the reaction of 2-O<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CHO (I) with NCCH<sub>2</sub>CN or NCCH<sub>2</sub>C(NH<sub>2</sub>):C(CN)<sub>2</sub> (II), followed by reductive cyclization. Thus, 1 g. 2-nitro- $\alpha$ -cyanocinnamionitrile and 1.25 g. Fe in 20 ml. AcOH heated 1 hr. on a water bath gave, after filtration and addition of H<sub>2</sub>O, 83% 2-amino-3-quinolinecarbonitrile (III), m. 223° (C<sub>6</sub>H<sub>6</sub>). To 0.4 g. III in 30 ml. boiling dilute HCl was added 0.2 g. NaNO<sub>2</sub> in 5 ml. H<sub>2</sub>O. The mixture was heated 15 min. and filtered off to give 62% 2-hydroxy-3-quinolinecarbonitrile, m. 310° (PhNO<sub>2</sub>). I (3 g.) and 2.6 g. II in 20 ml. EtOH was refluxed 1 hr. with 4 drops piperidine to give 70% 2-nitro- $\alpha$ -(1-amino-2,2-dicyanovinyl)cinnamionitrile (IV), m. 218° (AcOH-dioxane). IV (2.4 g.) in 40 ml. AcOH was boiled briefly with 2 g. Fe, and the solution decanted and heated 10 min. to give 98% V (R = R<sub>2</sub> = NH<sub>2</sub>, R<sub>1</sub> = CN) (VI), m. >300°. 2-H<sub>2</sub>NC<sub>6</sub>H<sub>4</sub>CHO (0.6 g.) and 0.7 g. II in 5 ml. AcOH heated 10 min. gave 67% VI. VI (0.4 g.) refluxed 10 min. with 10 ml. Ac<sub>2</sub>O gave VI Ac derivative, m. >300°. To 0.4 g. VI in 30 ml. hot, dilute HCl was added 0.2 g. NaNO<sub>2</sub> in 5 ml. H<sub>2</sub>O, and the solution boiled 15 min. and filtered to give 50% V (R = OH, R<sub>1</sub> = CN, R<sub>2</sub> = NH<sub>2</sub>) (VII), m. >300° (PhNO<sub>2</sub>). VII (0.5 g.) in 3 ml. H<sub>2</sub>O was refluxed 2 hrs. with 3 ml. H<sub>2</sub>SO<sub>4</sub>. Cooling and dilution with ice water gave 89% V (R = R<sub>2</sub> = OH, R<sub>1</sub> = H), m. >300°. Likewise, 0.5 g. VI hydrolyzed with 3 ml. H<sub>2</sub>SO<sub>4</sub> and 3 ml. H<sub>2</sub>O gave 45% V (R = OH, R<sub>1</sub> = H, R<sub>2</sub> = NH<sub>2</sub>), m. >300°.

IT 96953-31-0, Benzo[b][1,8]naphthyridine-3-carbonitrile, 2,4-diamino-

(acetyl derivative)

RN 96953-31-0 CAPLUS

CN Benzo[b][1,8]naphthyridine-3-carbonitrile, 2,4-diamino- (7CI) (CA INDEX NAME)



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FILE 'REGISTRY' ENTERED AT 17:38:28 ON 12 JUL 2004

L1 STRUCTURE UPLOADED

L2 1 S L1

L3 11 S L1 FULL

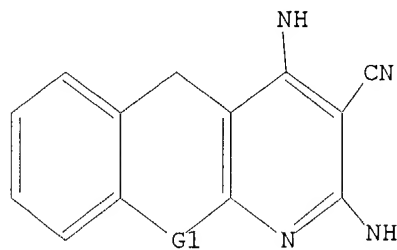
FILE 'CAPLUS' ENTERED AT 17:39:02 ON 12 JUL 2004

L4 5 S L3

=> d l1

L1 HAS NO ANSWERS

L1 STR



G1 O,S,N

Structure attributes must be viewed using STN Express query preparation.

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Day : Monday  
 Date: 7/12/2004  
 Time: 17:47:15

# **PALM INTRANET**

## Inventor Name Search Result

Your Search was:

Last Name = ANDERSON

First Name = DAVID

Application#	Patent#	Status	Date Filed	Title	Inventor Name 51
<u>60537841</u>	Not Issued	020	01/21/2004	WIND NOISE REDUCTION FOR MICROPHONE	ANDERSON, DAVID
<u>60509255</u>	Not Issued	018	01/01/0001	STABILIZED UNCOATED PARTICLES OF REVERSED LIQUID CRYSTALLINE PHASE MATERIALS	ANDERSON, DAVID
<u>60500495</u>	Not Issued	020	09/05/2003	PROCESS TO ADD ADDITIONAL HARD DRIVE SPACE TO THE CUSTOMER'S EXISTING HARD DRIVE BY UNLOCKING THE SPACE WITH A USER ACCESSIBLE SECURITY CODE - THE UPGRADEABLE, EXPANDABLE HARD DRIVE	ANDERSON, DAVID W.
<u>60499371</u>	Not Issued	020	09/03/2003	CPU-CONTROLLED, REARMING ELECTRONIC ANIMAL TRAP WITH THREE-KILLING-PLATE CONFIGURATION	ANDERSON, DAVID L.
<u>60498660</u>	Not Issued	020	08/28/2003	HOUSING WITH INTEGRATED, SEALED SWITCH ASSEMBLY	ANDERSON, DAVID
<u>60489421</u>	Not Issued	020	07/23/2003	BRIDGED BETA-CARBOLINE COMPOUNDS AS MITOGEN-ACTIVATED PROTEIN KINASE-ACTIVATED PROTEIN KINASE-2 INHIBITORS	ANDERSON, DAVID R.
<u>60489410</u>	Not Issued	020	07/23/2003	BETA-CARBOLINE COMPOUNDS AND ANALOGUES THEREOF AND THEIR USE AS MITOGEN-ACTIVATED PROTEIN KINASE-ACTIVATED PROTEIN KINASE-2 INHIBITORS	ANDERSON, DAVID R.
<u>60286287</u>	Not Issued	159	04/25/2001	NOVEL DELTA SERRATE LIGAND RECEPTOR-LIKE PROTEINS AND	ANDERSON, DAVID A.

				NUCLEIC ACIDS ENCODING SAME	
<u>60281850</u>	Not Issued	159	04/05/2001	METHOD OF MARCHING SWING TYPE TO GOLF CLUB STYLE	ANDERSON, DAVID
<u>60269649</u>	Not Issued	159	02/14/2001	SNOWBOARD GROMMIE GRABBER	ANDERSON, DAVID STANLEY
<u>60178686</u>	Not Issued	159	01/28/2000	INTERNET TELEVISION CLIENT-SERVER ARCHITECTURE	ANDERSON, DAVID R.
<u>10729598</u>	Not Issued	030	12/05/2003	TRICYCLIC AMINOCYANOPYRIDINE INHIBITORS OF MITOGEN ACTIVATED PROTEIN KINASE-ACTIVATED PROTEIN KINASE-2	ANDERSON, DAVID R.
<u>10728460</u>	Not Issued	030	12/05/2003	METHOD OF USING AMINOCYANOPYRIDINE COMPOUNDS AS MITOGEN ACTIVATED PROTEIN KINASE-ACTIVATED PROTEIN KINASE-2 INHIBITORS	ANDERSON, DAVID R.
<u>10704544</u>	Not Issued	094	11/12/2003	ANIMAL TRAP	ANDERSON, DAVID L.
<u>10704538</u>	Not Issued	095	11/12/2003	ANIMAL TRAP	ANDERSON, DAVID L.
<u>10688190</u>	Not Issued	020	10/16/2003	SUBTERRANEAN TWO-WIRE POWER AND COMMUNICATIONS NETWORK	ANDERSON, DAVID J.
<u>10687829</u>	Not Issued	092	10/20/2003	CPU-CONTROLLED, REARMING, HIGH VOLTAGE OUTPUT CIRCUIT FOR ELECTRONIC ANIMAL TRAP	ANDERSON, DAVID L.
<u>10685085</u>	Not Issued	030	10/14/2003	NON-IONIC SURFACTANTS BASED UPON ALKYL POLYGLUCOSIDE	ANDERSON, DAVID
<u>10681739</u>	Not Issued	019	10/07/2003	THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS OF USE	ANDERSON, DAVID
<u>10680618</u>	Not Issued	030	10/07/2003	FUSE STRUCTURE AND METHOD TO FORM THE SAME	ANDERSON, DAVID K.
<u>10680452</u>	Not Issued	020	10/07/2003	CARTON STACKING APPARATUS AND METHOD	ANDERSON, DAVID L.
<u>10670188</u>	Not Issued	061	09/24/2003	GROWTH PROMOTION	ANDERSON, DAVID



					BENNETT
<u>10668535</u>	Not Issued	030	09/24/2003	AMPHOTERIC SURFACTANTS BASED UPON ALKYL POLYGLUCOSIDE	ANDERSON, DAVID
<u>10662175</u>	Not Issued	020	09/15/2003	ANTIMICROBIAL QUATERNARY SURFACTANTS BASED UPON ALKYL POLYGLYCOSIDE	ANDERSON, DAVID
<u>10661025</u>	Not Issued	030	09/11/2003	METHOD AND SYSTEM FOR REPRODUCTION IN A GENETIC OPTIMIZATION PROCESS	ANDERSON, DAVID M.
<u>10659004</u>	Not Issued	019	09/09/2003	THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS OF USE	ANDERSON, DAVID
<u>10652783</u>	Not Issued	020	08/29/2003	ROTARY REFRIGERATOR	ANDERSON, DAVID
<u>10649301</u>	Not Issued	041	08/27/2003	HETEROARYL-ETHANOLAMINE DERIVATIVES AS ANTIVIRAL AGENTS	ANDERSON, DAVID JOHN
<u>10649208</u>	Not Issued	019	08/27/2003	HETEROARYL-ETHANOLAMINE DERIVATIVES AS ANTIVIRAL AGENTS	ANDERSON, DAVID JOHN
<u>10649202</u>	Not Issued	041	08/27/2003	ARYL-ETHANOLAMINE DERIVATIVES AS ANTIVIRAL AGENTS	ANDERSON, DAVID JOHN
<u>10646983</u>	Not Issued	020	08/21/2003	REAL WORLD TRAFFIC	ANDERSON, DAVID
<u>10640130</u>	Not Issued	041	08/13/2003	INDEPENDENT RESET OF ARBITERS AND AGENTS TO ALLOW FOR DELAYED AGENT RESET	ANDERSON, DAVID L.
<u>10638821</u>	Not Issued	030	08/11/2003	DISTRACTION SCREW	ANDERSON, DAVID GREG
<u>10637313</u>	Not Issued	019	08/08/2003	THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS OF USE	ANDERSON, DAVID
<u>10636815</u>	Not Issued	030	08/08/2003	METHOD AND SYSTEM FOR SELECTIVELY PRESENTING DATABASE RESULTS IN AN INFORMATION RETRIEVAL SYSTEM	ANDERSON, DAVID J.
<u>10635398</u>	Not Issued	018	08/06/2003	NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME	ANDERSON, DAVID
<u>10635149</u>	Not Issued	019	08/06/2003	THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS OF USE	ANDERSON, DAVID

<u>10632662</u>	Not Issued	071	08/01/2003	SYSTEMS AND METHODS FOR OVERCOMING STICTION USING A LEVER	ANDERSON, DAVID PAUL
<u>10631577</u>	Not Issued	030	07/31/2003	HETEROCYCLE CARBOXAMIDES AS ANTIVIRAL AGENTS	ANDERSON, DAVID JOHN
<u>10631275</u>	Not Issued	020	07/31/2003	POLYMER COATED GUIDEWIRE	ANDERSON, DAVID M.
<u>10631274</u>	Not Issued	020	07/31/2003	DISTALLY TAPERED GUIDE WIRE TIP	ANDERSON, DAVID M.
<u>10624498</u>	Not Issued	089	07/23/2003	COATED PARTICLES, METHODS OF MAKING AND USING	ANDERSON, DAVID
<u>09873155</u>	Not Issued	071	06/01/2001	ANTIBODIES THAT BIND NEURON RESTRICTIVE SILENCER FACTOR PROTEINS	ANDERSON, DAVID J.
<u>09867366</u>	Not Issued	041	05/29/2001	RESIZING INTERNET DOCUMENT FOR DISPLAY ON TELEVISION SCREEN	ANDERSON, DAVID R.
<u>09849869</u>	Not Issued	041	05/04/2001	PAIN SIGNALING MOLECULES	ANDERSON, DAVID J.
<u>09840926</u>	<u>6676036</u>	150	04/25/2001	METHODS AND APPARATUS PROVIDING DUAL ADVANCE OF A FLUID EJECTOR SYSTEM RELATIVE TO A RECEIVING MEMBER	ANDERSON, DAVID G.
<u>09792794</u>	Not Issued	041	02/23/2001	THERMOPLASTIC SEAM WELDS	ANDERSON, DAVID M.
<u>09474644</u>	<u>6510434</u>	150	12/29/1999	SYSTEM AND METHOD FOR RETRIEVING INFORMATION FROM A DATABASE USING AN INDEX OF XML TAGS AND METAFILES	ANDERSON, DAVID
<u>09470874</u>	Not Issued	041	12/22/1999	COMPOSITE GUIDEWIRE WITH DRAWN AND FILLED TUBE CONSTRUCTION	ANDERSON, DAVID M.
<u>09453757</u>	Not Issued	161	12/02/1999	LABELING APPARATUS WITH AIR-ASSISTED LABEL SEPARATION FROM THE LABEL CARRIER STRIP AND ASSOCIATED METHODS	ANDERSON, DAVID N.
<u>09452563</u>	<u>6325766</u>	150	12/01/1999	GUIDEWIRE HAVING SUBSTANTIALLY NICKEL-FREE HIGH-NITROGEN AUSTENITIC STAINLESS STEEL ALLOY	ANDERSON, DAVID

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